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(54) Infection-resistant compositions, medical devices and surfaces and methods for preparing and using same.

(57) A method of preparing an infection-resistant medical device comprising one or more matrix-forming polymers selected from the group consisting of biomedical polyurethane, biomedical silicones and biodegradable polymers, and antimicrobial agents,

especially a synergistic combination of a silver salt and chlorhexidine (or its salts); also disclosed are medical devices having the synergistic composition therein or compositions thereon.

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EUROPEAN SEARCH REPORT

Application Number

EP 89 30 1349

DOCUMENTS CONSIDERED TO BE RELEVANT			CLASSIFICATION OF THE APPLICATION (Int. Cl.4)
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	
X	EP-A-0 190 504 (JOHNSON MATTHEY) * Page 6, lines 11-19, 21-26; page 8, lines 15-18; page 12, line 16 - page 13, line 6; claims *	1-3, 6-7 , 11, 13, 15, 18- 19 8-10, 16 , 20, 29- 31	A 61 L 29/00 A 61 L 31/00 A 61 L 27/00 A 61 L 15/03 A 61 L 17/00
Y	---		
Y	JOURNAL OF APPLIED BACTERIOLOGY, vol. 45, 1978, pages 397-405, The Society for Applied Bacteriology; L.B. QUESNEL et al.: "Synergism between chlorhexidine and sulphadiazine" * Page 401, last paragraph - page 404 *	8-10, 16 , 20, 29- 31	
A	EP-A-0 207 624 (THE TRUSTEES OF COLUMBIA UNIVERSITY IN THE CITY OF NEW YORK) * Claims * & US-A-4 612 337 (Cat. D) ---	36-37	
A	WO-A-8 602 006 (BAXTER TRAVENOL) ---		TECHNICAL FIELDS SEARCHED (Int. Cl.4)
A,D	US-A-3 987 797 (M. STEPHENSON) ---		
E	WO-A-8 904 674 (BIOCON OY) * Claims *	1-11	A 61 L 29 A 61 L 31 A 61 L 27 A 61 L 17 A 61 L 15
The present search report has been drawn up for all claims			
Place of search	Date of completion of the search	Examiner	
THE HAGUE	08-05-1990	COUSINS-VAN STEEN G.I.L.	
CATEGORY OF CITED DOCUMENTS			
X : particularly relevant if taken alone	T : theory or principle underlying the invention		
Y : particularly relevant if combined with another document of the same category	E : earlier patent document, but published on, or after the filing date		
A : technological background	D : document cited in the application		
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P : intermediate document	& : member of the same patent family, corresponding document		